


M. DOSTER ✓
New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Hazardous Site Control, Room 252
50 Wolf Road, Albany, New York 12233-7010
Phone: (518) 457-8807 FAX: (518) 457-8989

P. Buechi pp
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John P. Cahill
Commissioner

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NYSDEC - REG. 9
☒ REL ☐ UNREL

Stauffer Management Co.
c/o Zeneca Inc. Environmental Services & Operations
1800 Concord Pike, P.O. Box 15438
Wilmington, DE 19850-5438

Dear Sir/Madam:

As mandated by Section 27-1305 of the Environmental Conservation Law (ECL), the New York State Department of Environmental Conservation (NYSDEC) must maintain a Registry of all inactive disposal sites suspected or known to contain hazardous waste. The ECL also mandates that this Department notify the owner of all or any part of each site or area included in the Registry of Inactive Hazardous Waste Disposal Sites as to changes in site classification.

Our records indicate that you are the owner or part owner of the site listed below. Therefore, this letter constitutes notification of change in the classification of such site in the Registry of Inactive Hazardous Waste Disposal Sites in New York State.

DEC Site No.: 932053
Site Name: Stauffer Chemical Plant - PASNY Site
Site Address: 5607 Old Lewiston Road, Lewiston, NY 14092

Classification change from 2 to 4

The reason for the change is as follows:

- Remedial Action is complete. The bedrock groundwater treatment system has been modified to allow the use of activated carbon to treat influent groundwater. The site soil vapor extraction systems are functioning as planned. Soil dewatering at two of the soil vapor extraction areas has been effective. The new outfall to the New York Power Authority (NYPA) forebay is in place and in operation.

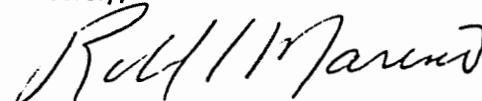
Quarterly groundwater monitoring is ongoing and is expected to continue into the foreseeable future.

Enclosed is a copy of the New York State Department of Environmental Conservation, Division of Environmental Remediation, Inactive Hazardous Waste Disposal Site Report form as it appears in the Registry and Annual Report, and an explanation of the site classifications. The Law allows the owner and/or operator of a site listed in the Registry to petition the Commissioner of the New York State Department of Environmental Conservation for deletion of such site, modification of site classification, or modification of any information regarding such site, by submitting a written statement setting forth the grounds of the petition. Such petition may be addressed to:

John P. Cahill
Commissioner
New York State Department of Environmental Conservation
50 Wolf Road
Albany, New York 12233-0001

For additional information, please contact me at (518) 457-0747.

Sincerely,



Robert L. Marino
Chief
Site Control Section
Bureau of Hazardous Site Control
Division of Environmental Remediation

Enclosures

bcc: E. Barcomb
R. Marino
T. Reamon
A. Sylvester

w/Enc. (Copy of Site Report form only)
A. Grant
A. Carlson, DOH
J. Sama
S. Ervolina
A. Snyder, R/9
P. Buechi, R/9
E. Belmore

AS/srh

Inactive Hazardous Waste Disposal Report

Site Name: Stauffer Chemical Plant-PASNY Site		Site Code: 932053	
Class Code: 4	Region: 9	County: Niagara	EPA Id: NYD980507321
Address: 5607 Old Lewiston Road		City: Lewiston	Zip: 14092
Latitude: 43 8' 40"	Longitude: 79 2' 1"		
Site Type: Dump	Estimated Size: 23	Acres	

Site Owner / Operator Information:			
Current Owner(s) Name: Stauffer Company c/o Zeneca, Inc. ES			
Current Owner(s) Address: 1800 Concord Pike		P.O. Box 15438	Wilmington DE 19850
Owner(s) during disposal: Stauffer Chemical			
Operator(s) during disposal:			
Stated Operator(s) Address:			
Hazardous Waste Disposal Period: From 1900		To 1976	

Site Description:

From 1900 to 1930, a portion of the plant site was occupied by the Titanium Alloy Manufacturing Co., the American Magnesium Corp., and the Niagara Smelting Co. From 1930 to 1976, the Stauffer Chemical Co. produced carbon tetrachloride, various metal chlorides and parachlorothiophenol. Methylene chloride and tetrachloroethylene were repackaged from bulk. The plant buildings were razed in 1980. The site is located directly north of the NYPA Forebay. Associated with the plant site are two disposal areas east of the former plant site located on NYPA property. These areas were operated by Stauffer in the 1970's. A Consent Order was signed with ICI Americas in December, 1988 for a Remedial Investigation/Feasibility Study (RI/FS). Results indicated soil and groundwater contamination from 16 organic compounds and 21 inorganic compounds at levels as high as 510 ppm, organics, at a depth of 200 feet below ground surface. A Record of Decision (ROD) was signed in July 1992. A remedial Design/Remedial Action Consent Order was signed in July 1993. In November 1994, final demolition and clearing of the site was completed. In June 1995 remedial construction began. Remedial construction consisted of the installation of four soil vapor extractions systems, the installation of three bedrock groundwater extraction wells and six additional bedrock monitoring wells, construction of a Soil Vapor Extraction/Groundwater Treatment Plant and new outfall, and grading and seeding of the site. The Treatment Plant initially went into operation in December 1995. From January 1996 to late 1997, there were continual problems with the organic vapor capture system (Purus System) at the plant. The Purus System has since been taken out of service. An addition to the treatment plant building now houses two 20,000 pound activated carbon units set in line to treat influent bedrock groundwater. Negligible emissions are now vented to atmosphere from the air stripper which follows the carbon units. Additional modifications to the treatment system and the treatment facility were completed in December 1997. The system is now functioning.

Confirmed Hazardous Waste Disposal:

asbestos, reactor lining, scrap sulfur,
 scrap metal, silicon, coke, zirconium,
 titanium oxides.
 tetrachloroethylene, toluene, methylene chloride
 Organics in soil: carbon tetrachloride, carbon
 disulfide, tetrachloroethene.
 chloroform
 Organics in groundwater: carbon disulfide,

Quantity:

Unknown
 Unknown
 Unknown
 Unknown
 Unknown
 Unknown
 Unknown
 Unknown

Analytical Data Available for:	Air	Groundwater	Surface Water	Soil	Sediment
Applicable Standards Exceeded in:	Groundwater				
Geotechnical Information:			Depth to		
Soil/Rock Type: Fill and silty clay			Groundwater: greater than 10 feet below		
Legal Action: Type: State Consent Order			Status: Order Signed		
Remedial Action: Complete			Nature of action: Remedial Construction		

Assessment of Environmental Problems:

Remedial construction is complete. Three bedrock groundwater extraction wells, four Soil Vapor Extraction Systems, and the treatment plant are in place and functioning. The new outfall is in place and is being monitored. Quarterly groundwater monitoring is being conducted. Preliminary data indicates that hydraulic control of the groundwater should be achieved over time. Long term monitoring will indicate whether additional hydraulic efforts will be necessary to control the contaminant plume within the bedrock groundwater system.

Assessment of Health Problems:

The former plant site is entirely fenced and capped, preventing public contact with contaminated soil. The groundwater contaminant seeps on the forebay walls do not pose a contact hazard since they are not readily accessible. Exposures via drinking water are not expected because there are no users of groundwater within 3.2 kilometers of the site and public water serves the area. Although access to the landfills is not restricted, capping serves as a barrier to exposure. Soil gas monitoring is ongoing near the residential area north of the site and has not shown chemicals at levels of public health concern.



SITE INVESTIGATION INFORMATION

1. SITE NAME: Stauffer Chemical Plant- PASNY Site		2. SITE NUMBER: 932053	3. TOWN/CITY/VILLAGE: Town of Lewiston	4. COUNTY: Niagara
5. REGION: 9	6. CLASSIFICATION: CURRENT: 2 PROPOSED: 4 MODIFY:			
7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location): a. Quadrangle: Lewiston, N.Y. - Ontario b. Site Latitude: 43 8' 40" Site Longitude 79 2' 1" c. Tax Map Number: 115-1-10 d. Site Street Address: 5607 Old Lewiston Road, Lewiston, NY 14092				
8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations): From 1900 to 1930, a portion of the plant site was occupied by the Titanium Alloy Manufacturing Co., the American Magnesium Corp., and the Niagara Smelting Co. From 1930-1976 the Stauffer Chemical Co. produced carbon tetrachloride, various metal chlorides and parachlorothiophenol. Methylene Chloride and tetrachloroethylene were repackaged from bulk. The plant buildings were razed in 1980. The site is located directly north of the NYPA Forebay. Associated with the plant site are two disposal areas east of the former plant site located on NYPA property. These areas were operated by Stauffer in the 1970's. A Consent Order was signed with ICI Americas in December, 1988 for a Remedial Investigation/ Feasibility Study (RI/FS). Results indicated soil and groundwater contamination from 16 organic compounds and 21 inorganic compounds at levels as high as 510 ppm, organics, at a depth of 200 feet below ground surface. A Record of Decision was signed in July 1992. A Remedial Design/Remedial Action Consent Order was signed in July 1993. In November 1994, final demolition and clearing of the site was completed. In June 1995 remedial construction began. It consisted of the installation of four soil vapor extraction systems, the installation of three bedrock groundwater extraction wells and six additional bedrock monitoring wells, construction of a Soil Vapor Extraction/Groundwater Treatment Plant and new outfall, and grading and seeding of the site. The treatment plant initially went into operation in December 1995. From January 1996 to late 1997, there were continual problems with the organic vapor capture system (Purus System) at the plant. The Purus System has since been taken out of service. An addition to the treatment plant building now houses two 20,000 pound activated carbon units set in line to treat influent bedrock groundwater. Negligible emissions are now vented to atmosphere from the airstripper which follows the carbon units. Additional modifications to the treatment system and the treatment facility were completed in December 1997. The system is now functioning as required. See attached <u>Record of Decision</u> a. Area: approx. 23 acres b. EPA ID Number: NYD980507321 c. Projects Completed (x) Phase I (x) Phase II () PSA (x) RI/FS () PA/SI (x) Other: Remedial Action Construction is complete.				
9. HAZARDOUS WASTE DISPOSED: On-site: Organics in groundwater such as carbon disulfide (U033), tetrachloroethene (U210), toluene (U220), chloroform (U044), methylene chloride (U045). Organics in soils such as carbon tetrachloride (U211), tetrachloroethene (U210), carbon disulfide (U033). Waste in the two landfills east of the site: Asbestos, reactor linings, scrap sulfur, scrap metal, silicon, coke, zirconium, titanium oxides.				
10. ANALYTICAL DATA AVAILABLE: a. (x) Air (x) Groundwater (x) Surface Water () Sediment (x) Soil (x) Waste (x) Leachate () EPTox () TCLP b. Contravention of Standards or Guidance Values: Bedrock groundwater values, approximate range of organics: Upper water bearing zone - ND to 250 ppm, Lower bedrock groundwater zone - ND to 22 ppm, Undifferentiated Lockport bedrock zone - ND to 5.7 ppm, Lockport/Rochester bedrock zone - ND to 510 ppm, Rochester bedrock zone - 650 ppm, Irondequoit/Reynales bedrock zone - ND to 200 ppm, Medina Group bedrock zone - ND to 47 ppm. Site soils, approximate range of organics: ND to 37 ppm. Site Landfill soils, approximate range of organics: ND to 34 ppm.				
11. STATEMENT OF CONCLUSION: Remedial Action is complete. The bedrock groundwater treatment system has been modified to the use of activated carbon to treat influent groundwater. The site soil vapor extraction systems are functioning as planned. Soil dewatering at two of the soil vapor extraction areas has been effective. The new outfall to the NYPA forebay is in place and in operation. Quarterly groundwater monitoring is ongoing and is expected to continue into the foreseeable future..				
12. SITE IMPACT DATA: a. Nearest Surface Water: Distance: ~300 feet. Direction: South Classification: A-Special b. Nearest Groundwater: Depth: < 10 feet Flow Direction: South () Sole Source () Primary () Principal () Perched c. Nearest Water Supply: Distance: <1000 feet. Direction: West Active: (X) Yes () No d. Nearest Building: Distance: NA Direction: NA Use: NA e. In State Economic Development Zone? () Y (X) N i. Controlled Site Access? (X) Y () N f. Are crops or livestock on site? () Y (X) N j. Exposed hazardous waste? () Y (X) N g. Documented fish or wildlife mortality? () Y (X) N k. HRS Score: ----- h. Impact on special status fish or wildlife resource? () Y (X) N l. For Class 2: Priority Category: -----				
13. SITE OWNER'S NAME: Stauffer Management Company		14. ADDRESS: c/o Zeneca Inc. Environmental Services & Operations, 1800 Concord Pike, P.O. Box 15438, Wilmington, DE 19850-5438		15. TELEPHONE NUMBER: 302-886-5123
16. PREPARER: <i>Gerald F. Pietraszek</i> 2/24/98 Signature Date Gerald F. Pietraszek, Engr. Geologist II, Region 9, NYSDEC - Buffalo Name, Title, Organization		17. APPROVED: <i>Earl H. Barcomb</i> 12/15/98 Signature Date Earl H. Barcomb, Director, BHSC, DER Name, Title, Organization SMC-789 1165		